



This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A process for primer coating fiber-reinforced plastics automotive substrates which comprises the steps of (1) applying a primer layer onto a fiber-reinforced plastics substrate and (2) curing the applied primer layer with high energy radiation and moisture and (3) applying a coating to the primer layer after curing wherein the coating is selected from the group consisting of a single layer top coat and a multilayer top coat and thermally curing the top coat and, thereby suppressing popping and blistering defects in the thermally cured top coat, and

wherein the primer layer is formed from a coating composition which comprises a binder system consisting of a polyurethane binder with free-radically polymerizable olefinic double bonds and with hydrolyzable alkoxysilane groups, wherein the resin solids of the coating composition exhibit a C=C double bond equivalent weight of 200 to 2000 and a content of silicon bound in alkoxysilane groups of 1 to 10 wt-% and wherein curing of the primer layer proceeds by free-radical polymerization of the C=C double bonds on irradiation with high energy radiation and by the formation of siloxane bridges under the action of moisture and wherein the alkoxysilane groups consist of trialkoxysilane groups and

wherein the automotive substrates are selected from the group consisting of wings, bonnets, boot lids, doors and mirror housings.

Claim 2 (original): A process according to claim 1, wherein the resin solids of the coating composition have a C=C double bond equivalent weight of 300 to 1500 and a content of silicon bound in alkoxysilane groups of 1 to 7 wt-%.

Claim 3 (canceled)

Claim 4 (original): A process according to claim 1, wherein the binder system with free-radically polymerizable olefinic double bonds and with hydrolyzable alkoxysilane groups additionally comprises hydroxyl groups.

Serial No. 10/643,598
Docket No. FA1090 US NA

Claim 5 (original): A process according to claim 1, wherein the coating composition used to form the primer layer contains constituents which provide electrical conductivity.

Claim 6 (original): A process according to claim 1, wherein UV radiation is used as the high energy radiation.

Claims 7-8 (canceled)

Claim 9 (previously presented): Fiber-reinforced automotive plastics substrates coated according to the process of claim 1.